



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-----------------	-------------	----------------------	---------------------	------------------

09/547,945

04/12/2000

Beatty Graydon

1930

5616

21834

7590

08/31/2006

BECK AND TYSVER P.L.L.C.
2900 THOMAS AVENUE SOUTH
SUITE 100
MINNEAPOLIS, MN 55416

EXAMINER

SMITH, RUTH S

ART UNIT

PAPER NUMBER

3737

DATE MAILED: 08/31/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	09/547,945	GRAYDON ET AL.	
	Examiner	Art Unit	
	Ruth S. Smith	3737	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 29 June 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-5 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-5 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date <u>6/29/06</u> . | 6) <input type="checkbox"/> Other: _____ |

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

Claims 1,2,5 are rejected under 35 U.S.C. 103(a) as being unpatentable over Wittkamp in view of Crowley US 5,588,432. Wittkamp discloses a catheter having a sensing electrode and means for providing RF energy to ablate tissue within the heart. Wittkamp discloses means coupled to the electrode for delivering and/or receiving a current pulse. The current pulse is coupled to a separate electric potential external to the heart, such as reference electrode R. Wittkamp using the current pulse to provide an indication of the location of the catheter and creates an image of the location within the heart. Wittkamp fails to disclose the use of a plurality of therapy electrodes at the distal end of the catheter to deliver the Rf energy, a drug delivery lumen or an angioplasty balloon. Crowley discloses a therapy catheter with a sensing electrode, a therapy electrode mounted at the distal end (Fig. 1A, 15A); a drug-delivery lumen (Fig. 7 A-D, column 17, lines 43-65); inflatable balloon at the distal end (Figs. 19a-19c). It would have been obvious to someone of ordinary skill in the art at the time of the

invention to provide the therapy catheter of Wittkamp with treatment means as taught by Crowley. Such a modification merely involves the substitution of one known type of treatment means on a catheter for another.

Claim 3 is rejected under 35 U.S.C. 103(a) as being unpatentable over Wittkamp in view of Motamedi et al. Wittkamp discloses a catheter having a sensing electrode and means for providing RF energy to ablate tissue within the heart. Wittkamp discloses means coupled to the electrode for delivering and/or receiving a current pulse. The current pulse is coupled to a separate electric potential external to the heart, such as reference electrode R. Wittkamp using the current pulse to provide an indication of the location of the catheter and creates an image of the location within the heart. Wittkamp fails to disclose the use of a fiber optic cable for delivering laser energy to the ablation site. Motamedi et al. teaches (abstract, Fig. 1, columns 1-2) a catheter for sensing myocardial electrical activity and laser ablation with a fiberoptic to deliver the laser energy for tissue ablation. It would have been obvious to someone of ordinary skill in the art at the time of the invention to provide the therapy catheter of Wittkamp with treatment means as taught Motamedi et al. Such a modification merely involves the substitution of one known type of treatment means on a catheter for another.

Claim 4 is rejected under 35 U.S.C. 103(a) as being unpatentable over Wittkamp in view of Walinsky et al. Wittkamp discloses a catheter having a sensing electrode and means for providing RF energy to ablate tissue within the heart. Wittkamp discloses means coupled to the electrode for delivering and/or receiving a current pulse. The current pulse is coupled to a separate electric potential external to the heart, such as reference electrode R. Wittkamp using the current pulse to provide an indication of the location of the catheter and creates an image of the location within the heart. Wittkamp fails to disclose the use of a microwave waveguide for delivering microwave energy to the ablation site. Walinsky et al. disclose a catheter for microwave ablation; a coaxial waveguide; an antenna at the distal end for locating and guiding the catheter. It would have been obvious to someone of ordinary skill in the art at the time of the

Art Unit: 3737

invention to provide the therapy catheter of Wittkamp with treatment means as taught Walinsky et al. Such a modification merely involves the substitution of one known type of treatment means on a catheter for another.

Response to Arguments

Applicant's arguments with respect to claims 1-5 have been considered but are moot in view of the new ground(s) of rejection.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ruth S. Smith whose telephone number is 571-272-4745. The examiner can normally be reached on M-F 7:30 AM-4:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Brian Casler can be reached on 571-272-4956. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Ruth S. Smith
Primary Examiner
Art Unit 3737

RSS